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### 1 [Poster Session: Application of feature technology to modeling and dimensioning the intermediate geometry of automotive powertrain components](#)

Madhumati Ramesh, Debasish Dutta, Nagesh Belludi, Derek Yip-Hoi, Paul Wascher

June 2002 **Proceedings of the seventh ACM symposium on Solid modeling and applications**Full text available: [pdf\(409.66 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Intermediate parts occur in between process steps during machining. In case of parts produced in high volumes, a detail documentation of intermediate geometry is required for the knowledge of operators, for gauging, as a specification for tooling design and for offline CMM programming & simulation. Currently, manually created approximate 2D drawings and/or manually created 3D models are used for representing the intermediate geometry. The commercial process planning systems provide NC code simul ...

**Keywords:** features, process planning, solid modeling

### 2 [Electronic markets for learning: education brokerages on the Internet](#)

Matti Hämäläinen, Andrew B. Whinston, Svetlana Vishik

June 1996 **Communications of the ACM**, Volume 39 Issue 6Full text available: [pdf\(778.05 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)

### 3 [jRapture: A Capture/Replay tool for observation-based testing](#)

John Steven, Pravir Chandra, Bob Fleck, Andy Podgurski

August 2000 **ACM SIGSOFT Software Engineering Notes , Proceedings of the 2000 ACM SIGSOFT international symposium on Software testing and analysis**, Volume 25 Issue 5Full text available: [pdf\(403.58 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)


We describe the design of jRapture: a tool for capturing and replaying Java program executions in the field. jRapture works with Java binaries (byte code) and any compliant implementation of the Java virtual machine. It employs a lightweight, transparent capture process that permits unobtrusive capture of a Java programs executions. jRapture captures interactions between a Java program and the system, including GUI, file, and console inputs, among other types, and on replay it presents eac ...

**Keywords:** Java, capture/replay, execution profiling, observation-based testing, software testing

#### 4 XML templates and caching in WASH

Peter Thiemann

August 2003 **Proceedings of the 2003 ACM SIGPLAN workshop on Haskell Haskell '03**

Full text available:  [pdf\(129.06 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Caching of documents is an important concern on the Web. It is a major win in all situations where bandwidth is limited. Unfortunately, the increasing spread of dynamically generated documents seriously hampers traditional caching techniques in browsers and on proxy servers. WASH/CGI is a Haskell-based domain specific language for creating interactive Web applications. The Web pages generated by a WASH/CGI application are highly dynamic and cannot be cached with traditional means. We show how to i ...

**Keywords:** annotated languages, caching, web programming

#### 5 Informing DUX: Personas: practice and theory

John Pruitt, Jonathan Grudin

June 2003 **Proceedings of the 2003 conference on Designing for user experiences**

Full text available:  [pdf\(266.01 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

Personas is an interaction design technique with considerable potential for software product development. In three years of use, our colleagues and we have extended Alan Cooper's technique to make Personas a powerful complement to other usability methods. After describing and illustrating our approach, we outline the psychological theory that explains why Personas are more engaging than design based primarily on scenarios. As Cooper and others have observed, Personas can e ...

**Keywords:** design method, personas, scenarios, user archetypes, user profiles, user research, user-centered design

#### 6 Evidence 2: Creation of an expert witness database through text mining

Christopher Dozier, Peter Jackson, Xi Guo, Mark Chaudhary, Yohendran Arumainayagam

June 2003 **Proceedings of the 9th international conference on Artificial intelligence and law**

Full text available:  [pdf\(244.73 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)


This paper describes how an online directory of expert witnesses was created from jury verdict and settlement documents using text mining techniques. We have created an expert witness directory that contains over 100,000 expert profiles, based on approximately 300,000 jury verdict and settlement documents, publicly available professional license information, an expertise taxonomy, and automatic text mining techniques. This directory can be browsed by area of expertise as well as by location and ...

**Keywords:** expert witness, information extraction, text mining

#### 7 FLEXICON: an evaluation of a statistical ranking model adapted to intelligent legal text management

Daphne Gelbart, J. C. Smith

# August 1993 **Proceedings of the 4th international conference on Artificial intelligence and law**

Full text available:  pdf(958.12 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The FLEXICON system was designed to provide legal professionals with an effective and easy-to-use legal text management tool. This paper discusses the structured knowledge representation model designed for the FLEXICON system serving both as an internal knowledge representation scheme, in conjunction with statistical ranking, and as an external representation used to summarize legal text for rapid evaluation of the search results. The model is evaluated and compared to alternative informati ...

## 8 DSP Software Development

Ian V. McLoughlin

May 1999 **Linux Journal**

Full text available:  html(16.99 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Follow the development of speech algorithms for digital radios through the complete project life cycle

## 9 A multiple presentation document management system

Augusto Celentano, Silvano Pozzi, Donato Toppeta

November 1992 **Proceedings of the 10th annual international conference on Systems documentation**

Full text available:  pdf(1.01 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The paper proposes an approach to the definition of a document management system oriented to the support of cooperative activities based on multiple-presentation documents. In our view, multiple-presentation means that the informative content of a document can be presented to the reader by using different shapes, styles and levels of detail, according to the reader profile. The Zelig document management system is based on the definition of an only conceptua ...

## 10 Managing a third-party alliance product documentation development project

Dawn Desplanque

September 1998 **Proceedings of the 16th annual international conference on Computer documentation**

Full text available:  pdf(763.78 KB) Additional Information: [full citation](#), [index terms](#)

**Keywords:** OEM, alliance, customized, fourth-party, third-party

## 11 Ubiquitous WWW: Profiles for the situated web

Lalitha Suryanarayana, Johan Hjelm

May 2002 **Proceedings of the 11th international conference on World Wide Web**

Full text available:  pdf(263.89 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The World Wide Web is evolving into a medium that will soon make it possible for conceiving and implementing situation-aware services. A situation-aware or situated web application is one that renders the user with an experience (content, interaction and presentation) that is so tailored to his/her current situation. This requires the facts and opinions regarding the context to be communicated to the server by means of a profile, which is then applied against the description of the application o ...

**Keywords:** CC/PP, XML, profiles, situated-aware applications, vocabulary, web architecture

## 12 Session 3: Exploration environments: concept and empirical evaluation

Volker Wulf, Björn Golombek

September 2001 **Proceedings of the 2001 International ACM SIGGROUP Conference on Supporting Group Work**

Full text available:  [pdf\(237.31 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Exploration environments support users to learn groupware in a self-directed way. They allow users to perceive the way a groupware function works by simulating the impacts of the function's execution on other users' interfaces. This paper motivates and describes the concept of exploration environments and presents an exemplary implementation. Moreover, it reports about the results of an experimental study, which evaluated the effects of this concept on users' learning. The results of this study ...

**Keywords:** evaluation, exploration, groupware, learning, tailoring

## 13 A tour through cedar

Warren Teitelman


March 1984 **Proceedings of the 7th international conference on Software engineering**

Full text available:  [pdf\(2.08 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 14 System descriptions: Advanced Decision Systems: description of the CODEX system as used for MUC-3

Laura Blumer Balcom, Richard M. Tong

May 1991 **Proceedings of the 3rd conference on Message understanding MUC3 '91**

Full text available:  [pdf\(531.58 KB\)](#) Additional Information: [full citation](#), [abstract](#)

ADS has been developing an approach to text processing, called CODEX, (Context directed Data EXtraction), that couples a concept-based, probabilistic keyword pattern matcher, called RUBRIC, with a probabilistic, generalized graph composition chart parser, called CAUCUS. We configure these two key technologies together for a variety of natural language sorting and gisting applications to provide greater depth of analysis (higher precision) than keyword-based techniques alone, as well as higher thr ...

## 15 Special issue on natural language generation: Generating natural language summaries from multiple on-line sources

Dragomir R. Radev, Kathleen R. McKeown

September 1998 **Computational Linguistics**, Volume 24 Issue 3


Full text available:  [pdf\(2.36 MB\)](#)  Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)  
[Publisher Site](#)

We present a methodology for summarization of news about current events in the form of briefings that include appropriate background (historical) information. The system that we developed, SUMMONS, uses the output of systems developed for the DARPA Message Understanding Conferences to generate summaries of multiple documents on the same or related events, presenting similarities and differences, contradictions, and generalizations among sources of information. We describe the various components ...

## 16 XML Applications: An incremental XSLT transformation processor for XML document

manipulation


Lionel Villard, Nabil Layaïda

May 2002 **Proceedings of the 11th international conference on World Wide Web**Full text available:  [pdf\(486.95 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper, we present an incremental transformation framework called incXSLT. This framework has been experimented for the XSLT language defined at the World Wide Web Consortium. For the currently available tools, designing the XML content and the transformation sheets is an inefficient, a tedious and an error prone experience. Incremental transformation processors such as incXSLT represent a better alternative to help in the design of both the content and the transformation sheets. We believe ...

**Keywords:** XML, XSLT, authoring tools, incremental transformations**17** Designing the OpenDoc human interface

Dave Curbow, Elizabeth Dykstra-Erickson

August 1997 **Proceedings of the conference on Designing interactive systems: processes, practices, methods, and techniques**Full text available:  [pdf\(1.30 MB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)**Keywords:** OpenDoc, collaboration, design process, human interface specification, user-centered design**18** A framework for assessing group memory approaches for software design projects

Beatrix Zimmermann, Albert M. Selvin

August 1997 **Proceedings of the conference on Designing interactive systems: processes, practices, methods, and techniques**Full text available:  [pdf\(983.27 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** corporate memory, design rationale, group memory, organizational memory**19** Changes that users demanded in the human interface to the Hermes Message System

Charlotte D. Mooers

December 1983 **Proceedings of the SIGCHI conference on Human Factors in Computing Systems**Full text available:  [pdf\(449.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The Hermes Message System has evolved in response to the needs and criticisms of users. This paper gives examples of some less than successful features, many of which have been changed, so that future designers will know what didn't work, as well as what does. Principles derived from this experience are: (a) What you see should be what you can type. (b) Commands and syntax should be uniform. (c) Commands and objects should be organized into groups. (d) Hierarchy is great for organizing thin ...

**20** Adaptive hypermedia (2): AHA! meets Auld Linky: integrating designed and free-form hypertext systems

David Millard, Hugh Davis, Mark Weal, Koen Aben, Paul De Bra

August 2003 **Proceedings of the fourteenth ACM conference on Hypertext and**

**hypermedia**Full text available:  [pdf\(90.93 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

In this paper we present our efforts to integrate two adaptive hypermedia systems that take very different approaches. The Adaptive Hypermedia Architecture (AHA!) aims to establish a consistently organized, strictly designed form of hypertext while Auld Linky takes an open and potentially sculptural approach, producing more freeform, less deterministic hypertexts. We describe the difficulties in reconciling the two approaches. This leads us to draw a number of conclusions about the benefits and d ...

**Keywords:** systems theory

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